

Summary

Intervertebral implant (1), specifically an artificial intervertebral disk, with a central axis (2), an upper section (10), suitable for laying onto the base plate of a vertebral body lying on top and a lower section (20), suitable for laying onto the cover plate of a vertebral body lying below, wherein

A) the upper section (10) is provided with a ventral side area (11), a dorsal side area (12), two lateral side areas (13,14), a top apposition surface (15) and a bottom surface (16);

B) the lower section (20) is provided with a ventral side area (21), a dorsal side area (22), two lateral side areas (23,24), a bottom apposition surface (25) and a top surface (26); wherein

C) the two sections (10;20) are moveable in relation to each other by means of two joints (38;39) arranged between the two sections (10;20),

D) each of the joints (38;39) has a swivel axle (3;4) and the two swivel axles (3;4) are arranged perpendicular to each other;

E) the two joints (38;39) are realised by an upper joint section (31) connected to the upper section (10), a central joint section (32) and a joint section (33) connected with the lower section (20);

F) one of the external joint sections (31;33) comprises at least one concave sliding surface (58) rotation-symmetrical with regard to a swivel axle (3;4); and

G) the central joint section (32) comprises at least one convex sliding surface (57) complementary with regard to this concave sliding surface (58), characterised in that

H) the other of the external joint sections (31;33) comprises at least one convex sliding surface (55) rotation-symmetrical with regard to the other swivel axle (3;4); and

I) the central joint section (32) comprises at least one concave sliding surface (56) complementary to this convex sliding surface (55).